EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"20020028349"	US-PGPUB; USPAT	OR	OFF	2009/10/27 18:17
S2	80	(hole adj3 injection adj layer) with conduct$7 with thickness	US-PGPUB; USPAT	OR	ON	2009/10/27 18:20
S3	64	gradient with (hole adj2 (inject$3 or transpot$3))	US-PGPUB; USPAT	ADJ	OFF	2009/10/28 11:18
S4	13	gradient with (organic with hole adj2 (inject$3 or transpot$3))	US-PGPUB; USPAT	ADJ	ON	2009/10/28 11:33
S5	10	(tunable or gradient) with (organic with hole adj2 (inject$3 or transpot$3)) with (thickness or concentration)	US-PGPUB; USPAT	ADJ	ON	2009/10/28 12:06
S6	1	"7151339".pn.	US-PGPUB; USPAT	ADJ	ON	2009/10/28 12:09
S7	3	(tunable or gradient) with (organic with hole adj2 (inject$3 or transpot$3)) with (thickness or concentration)	DERWENT	ADJ	ON	2009/10/28 12:20
S8	192	(tunable or gradient) with (thickness or concentration) with ((charge adj2 mobil$3) or conduct$6)	DERWENT	ADJ	ON	2009/10/28 12:23
S9	0	(tunable or gradient) with (thickness or concentration) with ((charge adj2 mobil$3) or conduct$6) and (hole adj2 inject$7)	DERWENT	ADJ	ON	2009/10/28 12:23
S10	358	(tunable or gradient) with (thickness or concentration) with ((charge adj2 mobil$3) or conduct$6) and (hole adj2 inject$7)	US-PGPUB; USPAT	ADJ	ON	2009/10/28 12:24

S11	0	(tunable or gradient) with (thickness or concentration) with ((charge adj2 mobil$3) or conduct$6) with (hole adj2 inject$7)	US-PGPUB; USPAT	ADJ	ON	2009/10/28 12:24
S12	581	(tunable or gradient) with ((charge adj2 mobil$3) or conduct$6) and (thickness or concentration) and (hole adj2 inject$7)	US-PGPUB; USPAT	ADJ	ON	2009/10/28 12:25
S13	358	(tunable or gradient) with ((charge adj2 mobil$3) or conduct$6) with (thickness or concentration) and (hole adj2 inject$7)	US-PGPUB; USPAT	ADJ	ON	2009/10/28 12:25
S14	0	(tunable or gradient) with ((charge adj2 mobil$3) or conduct$6) with (thickness or concentration) with (hole adj2 inject$7)	US-PGPUB; USPAT	ADJ	ON	2009/10/28 12:25
S15	0	(tunable or gradient) with ((charge adj2 mobil$3) or conduct$6) with (thickness or concentration) near10 (hole adj2 inject$7)	US-PGPUB; USPAT	ADJ	ON	2009/10/28 12:25
S16	94	(tunable or gradient) with ((charge adj2 mobil$3) or conduct$6) with (thickness or concentration) and (hole adj2 inject$7) and electroluminescent	US-PGPUB; USPAT	ADJ	ON	2009/10/28 12:26
S17	2	"20050037234"	US-PGPUB; USPAT	OR	OFF	2009/10/28 13:37
S18	2	"20050168137"	US-PGPUB; USPAT	OR	OFF	2009/10/28 14:36
S19	7	(tunable or gradient) with ((charge adj2 mobil$3) or conduct$6) with (thickness or concentration) and (hole adj2 inject$7) and TCNQ	US-PGPUB; USPAT	ADJ	ON	2009/10/28 14:52
S20	0	(tunable or gradient) with ((charge adj2 mobil$3) or conduct$6) with TCNQ	US-PGPUB; USPAT	ADJ	ON	2009/10/28 14:58
S21	5	(tunable or gradient) with (thickness or concentration) and (hole adj2 inject$7) with TCNQ	US-PGPUB; USPAT	ADJ	ON	2009/10/28 14:59
S22	0	TCNQ with aceptor	US-PGPUB; USPAT	ADJ	ON	2009/10/28 15:01

S23	399	TCNQ with acceptor	US-PGPUB; USPAT	ADJ	ON	2009/10/28 15:02
S24	6	TCNQ with acceptor and (gradiant or tunable)	US-PGPUB; USPAT	ADJ	ON	2009/10/28 15:02
S25	110	TCNQ with (hole adj2 inject $3)	US-PGPUB; USPAT	ADJ	ON	2009/10/28 15:05
S26	0	TCNQ with (hole adj2 inject $3) near5 gradient	US-PGPUB; USPAT	ADJ	ON	2009/10/28 15:05
S27	0	TCNQ with (hole adj2 inject $3) with gradient	US-PGPUB; USPAT	ADJ	ON	2009/10/28 15:05
S28	4	TCNQ with (hole adj2 inject $3) with concentration	US-PGPUB; USPAT	ADJ	ON	2009/10/28 15:06
S29	2	"20020086180"	US-PGPUB; USPAT	OR	OFF	2009/10/28 17:41
S30	774	(Kim near2 myung).in.	US-PGPUB; USPAT	OR	OFF	2010/04/29 14:15
S31	31	(Kim near2 myung).in. and (EL with device)	US-PGPUB; USPAT	OR	ON	2010/04/29 14:16
S33	280	(hole adj2 inject$3) with acceptor	US-PGPUB; USPAT	OR	ON	2010/09/17 15:39
S34	1	(hole adj2 inject$3) with acceptor with gradient	US-PGPUB; USPAT	OR	ON	2010/09/17 15:40
S35	24	(hole adj2 inject$3) with acceptor with concentrat$5	US-PGPUB; USPAT	OR	ON	2010/09/17 15:42
S36	0	(hole adj2 inject$3) with acceptor with discontin$5	US-PGPUB; USPAT	OR	ON	2010/09/17 15:43
S37	110	(hole adj2 inject$3) near4 acceptor	US-PGPUB; USPAT	OR	ON	2010/09/17 16:07
S38	0	(hole adj2 inject$3) near4 acceptor near4 gradient	US-PGPUB; USPAT	OR	ON	2010/09/17 16:07
S39	14	(hole adj2 inject$3) near4 acceptor and gradient	US-PGPUB; USPAT	OR	ON	2010/09/17 16:08
S40	5	(hole adj2 inject$3) near4 acceptor with concentration	US-PGPUB; USPAT	OR	ON	2010/09/17 16:22
S41	4	acceptor concentration gradient and (428/690).ccls.	US-PGPUB; USPAT	WITH	ON	2010/09/17 16:33
S42	1	"6558219".pn.	US-PGPUB; USPAT	WITH	ON	2010/09/17 16:49
S43	27	acceptor gradient and (hole adj3 inject$3)	US-PGPUB; USPAT	WITH	ON	2010/09/17 17:11
S44	415	acceptor concentration and (hole adj3 inject$3)	US-PGPUB; USPAT	WITH	ON	2010/09/17 17:16
S45	25	acceptor concentration with (hole adj3 inject$3)	US-PGPUB; USPAT	WITH	ON	2010/09/17 17:17

S46	283	acceptor with (hole adj3 inject$3)	US-PGPUB; USPAT	WITH	ON	2010/09/17 17:20
S47	38	acceptor near3 gradient	US-PGPUB; USPAT	WITH	ON	2010/09/17 22:34
S48	0	TCNQ near3 gradient concentration	US-PGPUB; USPAT	WITH	ON	2010/09/17 23:18
S49	22	acceptor near3 gradient concentration	US-PGPUB; USPAT	WITH	ON	2010/09/17 23:18
S50	183	gradient concentration and (313/504).ccls.	US-PGPUB; USPAT	WITH	ON	2010/09/17 23:19
S51	4	acceptor gradient concentration and (313/504).ccls.	US-PGPUB; USPAT	WITH	ON	2010/09/17 23:20
S52	11	acceptor gradient concentration	DERWENT	WITH	ON	2010/09/17 23:21
S53	225	dop$4 gradient concentration	DERWENT	WITH	ON	2010/09/17 23:22
S54	0	(dop$4 gradient concentration) near5 (hole inject$4)	DERWENT	WITH	ON	2010/09/17 23:22
S55	0	(dop$4 gradient concentration) near5 (hole inject$4)	US-PGPUB; USPAT	WITH	ON	2010/09/17 23:23
S56	2130	dop$4 gradient concentration	US-PGPUB; USPAT	WITH	ON	2010/09/17 23:23
S57	31	dop$4 gradient concentration with hole	US-PGPUB; USPAT	WITH	ON	2010/09/17 23:23
S58	11	dop$4 grad$7 (hole adj2 inject$3)	US-PGPUB; USPAT	WITH	ON	2010/09/17 23:38
S59	633	dop$4 grad$7 and (hole adj2 inject$3)	US-PGPUB; USPAT	WITH	ON	2010/09/17 23:41
S60	266	dop$4 gradient and (hole adj2 inject$3)	US-PGPUB; USPAT	WITH	ON	2010/09/17 23:41
S61	8	dop$4 gradient with (hole adj2 inject$3)	US-PGPUB; USPAT	WITH	ON	2010/09/17 23:46
S62	0	gradient with (hole adj2 (inject$3 or transpot$3)) with aceptor	US-PGPUB; USPAT	ADJ	OFF	2010/09/20 09:21
S63	1	(hole adj2 (inject$3 or transpot$3)) with aceptor	US-PGPUB; USPAT	ADJ	OFF	2010/09/20 09:22
S64	0	gradient with acceptor with hole (313/504).ccls.	US-PGPUB; USPAT	ADJ	ON	2010/09/20 09:43
S65	1	gradient with acceptor with hole and (313/504).ccls.	US-PGPUB; USPAT	ADJ	ON	2010/09/20 09:44
S66	212	acceptor with hole and (313/504).ccls.	US-PGPUB; USPAT	ADJ	ON	2010/09/20 09:44

S67	22	acceptor with hole and (313/504).ccls. and gradient	US-PGPUB; USPAT	ADJ	ON	2010/09/20 09:45
S68	10	(acceptor with concentration) with hole and (313/504).ccls.	US-PGPUB; USPAT	ADJ	ON	2010/09/20 09:47
S69	1	H000029.pn.	US-PGPUB; USPAT	WITH	ON	2010/09/20 10:14
S70	0	"2004185299"	US-PGPUB; USPAT	WITH	ON	2010/09/20 10:30
S71	1	"20040185299"	US-PGPUB; USPAT	WITH	ON	2010/09/20 10:30
S72	45	(reduced or lowered or less) with acceptor with interface	US-PGPUB; USPAT	WITH	ON	2010/09/20 11:36
S73	4758	(reduced or lowered or less) with acceptor	US-PGPUB; USPAT	WITH	ON	2010/09/20 11:40
S74	2027	reduced with acceptor	US-PGPUB; USPAT	WITH	ON	2010/09/20 11:40
S75	0	reduced with acceptor (428/690).ccls.	US-PGPUB; USPAT	WITH	ON	2010/09/20 11:41
S76	89	reduced with acceptor and electrolumin$7	US-PGPUB; USPAT	WITH	ON	2010/09/20 11:41
S77	13	(reduced with acceptor) with hole and electrolumin $7	US-PGPUB; USPAT	WITH	ON	2010/09/20 11:41
S78	5299	(leak adj2 current) with (low$3 or suppres$6 or acceptor)	US-PGPUB; USPAT	WITH	ON	2010/09/20 11:56
S79	26	(leak adj2 current) with acceptor	US-PGPUB; USPAT	WITH	ON	2010/09/20 11:56
S80	1	"6278136".pn.	US-PGPUB; USPAT	WITH	ON	2010/09/20 12:01
S81	18	acceptor concentration and (428/690).ccls.	US-PGPUB; USPAT	WITH	ON	2010/09/29 10:43
S82	23	acceptor concentration and (313/504).ccls.	US-PGPUB; USPAT	WITH	ON	2010/09/29 10:45
S83	6	acceptor adj concentration and (313/504).ccls.	US-PGPUB; USPAT	WITH	ON	2010/09/29 11:10
S84	1654	acceptor adj concentration	US-PGPUB; USPAT	WITH	ON	2010/09/29 11:17
S85	80	acceptor adj concentration and electrolumin$7	US-PGPUB; USPAT	WITH	ON	2010/09/29 11:17
S86	1	"20080038583"	US-PGPUB; USPAT	OR	ON	2011/01/11 15:32

S87	18	(hole adj3 injection adj layer) with conduct$7 with thickness and (428/690). ccls.	US-PGPUB; USPAT	OR	ON	2011/01/11 15:34
S88	43	(hole adj3 injection adj layer) with conduct$7 with thickness and (313/504). ccls.	US-PGPUB; USPAT	OR	ON	2011/01/11 15:35
S89	8	TCNQ with acceptor and (427/66).ccls.	US-PGPUB; USPAT	ADJ	ON	2011/01/11 15:36

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S90	18	(hole adj3 injection adj layer) with conduct$7 with thickness and (428/690).ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2011/01/11 15:35
S91	43	(hole adj3 injection adj layer) with conduct$7 with thickness and (313/504).ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2011/01/11 15:35
S92	0	TCNQ with acceptor and (427/66).ccls.	USPAT; UPAD	ADJ	ON	2011/01/11 15:36

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